REMARKS

This is a full and timely response to the outstanding Office Action mailed on May 22, 2006. Reconsideration and allowance of the application and presently pending claims 1-17 are respectfully requested.

Present Status of the Application

The Office Action rejected claims 1-7 under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al., US Patent 6,076,734 in view of Sayuda et al., US 6,069,636. The Office Action also rejected claim 8-17 under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al., US Patent 6,076,734 in view of Sayuda et al., US Patent 6,069,636, and further in view of Weibe et al., US Patent 6,689,966.

Discussion of Office Action Rejections

The Office Action rejected claims 1-7 under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al., US Patent 6,076,734 in view of Sayuda et al., US 6,069,636.

In response to the rejection to claims 1-7 under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al., US Patent 6,076,734 in view of Sayuda et al., US 6,069,636, Applicants hereby traverse the rejection and submit that claim 1-7 are in allowable form for at least the reasons set forth below..

1. Claims 1 and 12 have been currently amended to set up the first shadow pixel in a non-transparent region of the pixel structure. According to foregoing descriptions, the first shadow

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pixel set up in a non-transparent region of the pixel structure do not decrease the aperture ratio. Moreover, the non-touch panel using the pixel structure of the present invention will have great image quality.

Applicants submit that "a first shadow pixel **set up in a non-transparent region of the pixel structure**" as set forth in claim 1 is neither taught, disclosed, nor suggested by Dougherty '734, Sayuda '636, or any of the other cited references, taken alone or in combination. Therefore, reconsideration and withdrawal of the rejection and allowance of independent claim 1 as originally filed over Dougherty '734 in view of Sayuda '636 are respectfully requested.

2. Dougherty fails to teach, suggest or disclose the pixel structure as required by claim 1. The Examiner deems that "figures 7 and 8 of Dougherty are representative of a pixel structure" (Advisory Action). However, Applicants respectfully disagree. A pixel should be well understood by one of ordinary skill in the art as the smallest complete sample of an image. The hot spot in figures 7 and 8 of Dougherty is only an encoded marker relating a remote information store elsewhere. More specifically, the hot spot in figures 7 and 8 <u>is not a pixel structure of the non-touch panel. Therefore, the hot spot in figures 7 and 8 and the pixel structure of claim 1 are totally different.</u>

Further, the Examiner admits that Dougherty does not expressly disclose "array of pixels", but deems combining Dougherty with the secondary reference of Sayuda could accomplish the pixel array. However, Applicants respectfully disagree. The <u>layout of the sub-pixels of pixel array of Sayuda</u> is in the form of <u>matrix</u> (FIG.9), but <u>layout of the sub-pixels of the pixel structure of Dougherty</u> is in the form of the circle. According to the layout of sub-pixels of

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Sayuda is different from that of Dougherty, thus one of ordinary skill in the art **could not** easily combining Dougherty with the secondary reference of Sayuda to accomplish the pixel array, especially in the non-touch panel field.

Besides, the senor of Dougherty includes a light emitter 302 and a sensing element 304. When sensing the light spectrum, the light emitter 302 **emits light and the sensing element 304 receives** the light reflected from the desired region 32. (column 9, line 66 to column 10, line 15) However, when inputting data into the display panel 700, a sensor 710 posed over the display panel 700 **receives** the electromagnetic radiation **emitted from the pixel structures 702** to find a digital code for the location.the sensor of this application. (FIG. 8 of this application) Accordingly, **the sensor of Dougherty is different from that of this application**. Applicants submit even combine Dougherty, Sayuda, and any of the other cited references, couldn't accomplish this application.

Accordingly, reconsideration and withdrawal of the rejection and allowance of independent claim 1 as originally filed over Dougherty in view of Sayuda are respectfully requested.

3. Dependent claims 2-7 incorporates all the subject matter of independent claim 1 and adds respective additional subject matter. As detailed above, it is asserted that claim 1 is allowable. Thus it is submitted that the dependent claims 2-7 are also allowable, and Applicant requests that the rejection relating thereto be withdrawn.

4. Dependent claims 8-17 incorporates all the subject matter of independent claim 1 and adds respective additional subject matter. As detailed above, it is asserted that claim 1 is

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allowable. Thus it is submitted that the dependent claims 8-17 are also allowable, and Applicant requests that the rejection relating thereto be withdrawn.

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CONCLUSION

For at least the foregoing reasons, it is believed that the pending claims 1-17 are in proper condition for allowance and an action to such effect is earnestly solicited. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Date : *June 22, 2006*

Respectfully submitted,
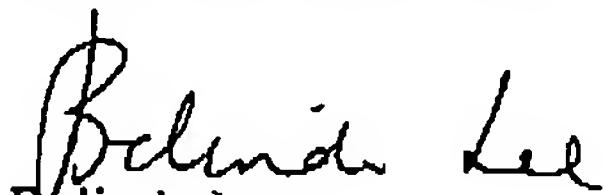
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